

Appendix table 4-50.

R&D performed by majority-owned U.S. affiliates of foreign companies in the United States, by region/country of ultimate beneficial owner: 1980 and 1987–98
(Millions of current U.S. dollars)

Sector and region/country	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Total	1,517	4,497	5,485	6,720	8,511	9,127	10,745	11,262	12,671	14,846	15,641	17,216	22,073
Manufacturing	1,245	3,809	4,773	5,915	7,282	7,839	9,056	9,560	10,855	12,828	13,090	14,270	18,256
Nonmanufacturing	272	588	712	805	1,229	1,288	1,689	1,702	1,816	2,018	2,551	2,946	3,817
Total expenditures by region/country													
Canada	113	D	D	D	D	D	D	D	D	1,337	1,452	1,668	2,353
Europe	1,217	3,458	4,241	5,414	6,762	7,275	8,325	8,628	9,487	11,442	11,535	12,327	15,904
France	39	332	402	510	766	913	1,230	1,190	1,383	1,529	1,680	1,783	1,905
Germany	281	824	963	1,216	1,435	1,596	1,855	2,003	2,147	3,563	2,747	2,923	4,880
Italy	D	D	73	93	151	143	91	132	157	172	D	D	D
Netherlands	D	540	615	690	757	642	685	674	719	786	937	990	985
Sweden	D	124	160	205	271	225	322	180	263	D	D	687	680
Switzerland	329	D	D	1,060	1,455	1,637	1,873	2,117	2,127	2,490	2,699	2,369	3,083
United Kingdom	247	790	1,085	1,568	1,809	1,987	2,090	2,139	2,428	2,316	2,575	2,984	3,685
Other	16	47	D	72	118	132	179	193	263	D	897	591	686
Asia and Pacific	D	179	345	412	796	834	1,080	1,232	1,397	1,611	2,116	2,642	3,180
Japan	D	133	282	369	709	741	938	1,112	1,200	1,259	1,531	2,036	2,578
Other	D	46	63	43	87	93	142	120	197	352	585	606	602
Latin America and other western hemisphere	155	329	302	352	314	330	534	D	610	317	364	373	393
Middle East	2	14	9	10	9	9	20	38	62	72	100	103	129
Africa	D	D	D	D	D	D	4	5	2	D	D	D	D

D = withheld to avoid disclosing operations of individual companies

NOTES: Data are for nonbank U.S. affiliates with more than 50 percent foreign ownership; 1996 data are revised, 1998 estimates are preliminary. Data exclude R&D expenditures conducted for others under contract. These R&D expenditures are a subset of foreign R&D expenditures based on 10 percent ownership reported in appendix table 4-49. Manufacturing data exclude petroleum manufacturing before 1997. The industrial classification system used in these data changed from the Standard Industrial Classification System (SIC) to North American Industry Classification System (NAICS) in 1997. See NAICS-based industrial detail in appendix table 4-51.

SOURCE: U.S. Bureau of Economic Analysis, *Foreign Direct Investment in the United States: Operations of U.S. Affiliates of Foreign Companies* (Washington, DC, annual series).

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